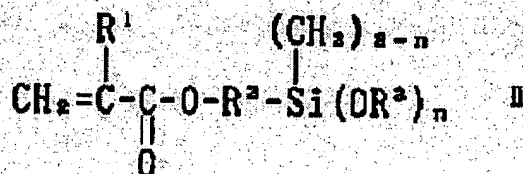
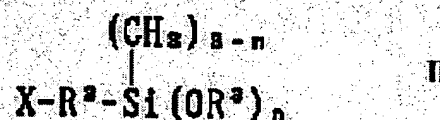


PRODUCTION OF @{3754/24}METH)ACRYLIC FUNCTIONAL GROUP-CONTAINING ORGANOSILICON COMPOUND

Patent number: JP5306290
Publication date: 1993-11-19
Inventor: YAMATANI MASAOKI; others: 01
Applicant: SHIN ETSU CHEM CO LTD
Classification:
- International: C07F7/18
- european:
Application number: JP19920134135 19920427
Priority number(s):

Abstract of JP5306290

PURPOSE: To easily obtain the subject compound in high yield using inexpensive, easy-to-handle raw materials by reaction of a (meth)acrylic acid with an organosilicon compound having halogen-substituted hydrocarbon group in the presence of a cyclic structure-contg. tertiary amine compound.
CONSTITUTION: A (meth)acrylic acid of formula I ($R<1>$ is CH_3 or H) is dissolved in e.g. toluene, and a cyclic structure-contg. tertiary amine compound (e.g. 1,8-diazabicyclo[5,4,0]undec-7-ene) is added to the resulting solution and the reaction system is heated to 90 deg.C followed by gradually dripping an organosilicon compound having Cl-or Br-substituted hydrocarbon group of formula II (X is Cl or Br; $R<2>$ is 1-10C divalent hydrocarbon; $R<3>$ is CH_3 or CH_2CH_3 ; n is 1, 2 or 3) (e.g. X-chloropropylmethyl dimethoxysilane) into the system. The resultant system is heated at 90-100 deg.C for 3hr under agitation and aged, and then cooled, and a salt formed is filtered off; the filtrate is then distilled, thus obtaining the objective compound of formula III.



Data supplied from the esp@cenet database - Patent Abstracts of Japan